

#2319 Store at -20°C

NCK1 (15B9) Rabbit mAb


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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R Mk	Endogenous	47	Rabbit IgG	#P16333	4690

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	NCK1 (15B9) Rabbit mAb detects the endogenous levels of total NCK1 protein. Based on homology it may also recognize NCK2.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly300 of human NCK1.	
Background	NCK1 (also known as NCK or NCKα) is a broadly expressed oncogenic adapter protein consisting of three SH3 domains and one SH2 domain (1-3). NCK1 becomes phosphorylated upon activation of variety of cell surface receptors and is involved in actin cytoskeletal organization induced by many stimuli (4-6). NCK2 (also known as NCKβ), a homolog of NCK1, has an overlapping expression pattern and redundant functions with NCK1 (7).	
Background References	1. Lehmann, J.M. et al. (1990) <i>Nucleic Acids Res.</i> 18, 1048. 2. Chou, M.M. et al. (1992) <i>Mol. Cell Biol.</i> 12, 5834-5842. 3. Li, W. et al. (1992) <i>Mol. Cell Biol.</i> 12, 5824-5833. 4. Verma, R. et al. (2006) <i>J. Clin. Invest.</i> 116, 1346-1359. 5. Rivera, G.M. et al. (2006) <i>Proc. Natl. Acad. Sci. USA</i> 103, 9536-9541. 6. Li, H. et al. (2006) <i>Biochem. Biophys. Res. Commun.</i> 349, 310-316. 7. Bladt, F. et al. (2003) <i>Mol. Cell Biol.</i> 23, 4586-4597.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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